PATENT COOPERATION TREATY

INTERNATIONAL SEARCH	UNO AUTH	ORITY		•				
To: HADASSA WATERMAN G.E. EHRLICH (1995) LTD. 11 MENACHEM BEGIN STREET RAMAT GAN, ISRAEL 52 521			PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY					
•			Date of mailing (day/month/year) 0'1 JUL 2008					
Applicant's or agent's file reference			FOR FURTHER ACTION					
. 32329	•		See paragraph 2 below					
	International application No.		(day/month/year)	Priority date (day/month/year)				
	PCT/IL06/00834		76) 19 July 2005 (19.07.2005)					
International Patent Classific		or both national classificat	ion and IPC					
IPC: A61B 6/00(2006.0 USPC: 600/436	01)			•				
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SPECTRUM DYNAMICS I	LC			•				
. 1. This opinion contains in	dications rela	ating to the following item	s:	•				
Box No. I	Basis of the opinion							
Box No. II	Priority							
Box No. III	Non-establi	shment of opinion with re	gard to novelty, inver	ntive step and industrial applicability				
Box No. IV	Lack of unity of invention							
Box No. V	Reasoned statement under Rule 43bis. I(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
Box No. VI	Certain documents cited .							
Box No. VII	Certain defects in the international application							
Box No. VIII	Certain observations on the international application							
2. FURTHER ACTION	N .			•				
International Preliminar Authority other than this	y Examining s one to be t	g Authority ("IPEA") ex	cept that this does IPBA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an le International Bureau under Rule 66.1 bis (b) ered.				
IPEA a written reply tog	gether, where	, considered to be a writt appropriate, with amenda expiration of 22 months fro	ments, before the exp	EA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.				
For further options, see I	Form PCT/IS	A/220.						
3. For further details, see notes to Form PCT/ISA/220.								
Name and mailing address of	f the ISA/US	Date of complet	tion of this opinion	Authorized officer .				
Mail Stop PCT, Attn:	ISA/US,		·					
Commissioner for Pat P.O. Box 1450	Commissioner for Patents P.O. Box 1450 11 June 2008 (11.06.2008) Ruth First							
Alexandria, Virginia 2			•	Telephone No. 571-272-4745				
Facsimile No. (571) 273-320: Form PCT/ISA/237 (cover she		07)						

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

INTERNATIONAL SEARCHING AUTHORITY	PCT/IL06/00834
Box No. I Basis of this opinion	
 With regard to the language, this opinion has been established on the basis of: the international application in the language in which it was filed a translation of the international application into, which is the language international search (Rules 12.3(a) and 23.1(b)). This opinion has been established taking into account the rectification of Authority under Rule 91 (Rule 43bis.1(a)) With regard to any nucleotide and/or amino acid sequence disclosed in the established on the basis of: 	an obvious mistake authorized by or notified to this
a. type of material	•
a sequence listing	
table(s) related to the sequence listing	·
b. format of material	•
on paper	•
in electronic form	
•	•
c. time of filing/furnishing	•
contained in the international application as filed.	· .
filed together with the international application in electronic form.	•
furnished subsequently to this Authority for the purposes of search.	•
•	•
In addition, in the case that more than one version or copy of a sequence list or furnished, the required statements that the information in the subsequence application as filed or does not go beyond the application as filed, as approximately application as filed, as approximately application as filed.	ent or additional copies is identical to that in the
6. Additional comments:	
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IL06/00834

INTERNATIONAL SEARCHING AUTHORITY Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
Novelty (N)	Claims Please See Continuation Sheet				YES			
			ntinuation Sheet		NO			
Inventive step (IS)	Claime	Please See Co.	ntinuation Chast		YES			
τινοιπινό στορ (10)		s Please See Continuation Sheet s Please See Continuation Sheet			NO			
Industrial applicability (TA)	01.1		.1 .1 .0					
Industrial applicability (IA)	Claims Please See Continuation Sheet Claims Please See Continuation Sheet				YES NO			
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2. Citations and explanations:								
Please See Continuation Sheet			,					
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IL06/00834

Supplemental Box

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V.1. Reasoned Statements:

The opinion as to Novelty was positive (Yes) with respect to claims 1-276, 283-289, 291, 293, 296-350, 352, 364-366, 368-370, 373-379, 383, 385-448

The opinion as to Novelty was negative (No) with respect to claims NONE

The opinion as to Inventive Step was positive (Yes) with respect to claims NONE

The opinion as to Inventive Step was negative (NO) with respect to claims 1-276, 283-289, 291, 293, 296-350, 352, 364-366, 368-370, 373-379, 383, 385-448

The opinion as to Industrial Applicability was positive (YES) with respect to claims 1-276, 283-289, 291, 293, 296-350, 352, 364-366, 368-370, 373-379, 383, 385-448

The opinion as to Industrial Applicability was negative(NO) with respect to claims NONE

V. 2. Citations and Explanations:

Claims 1-276, 283-289, 291, 293, 296-350, 352, 364-366, 368-370, 373-379, 383, 385-448 lack an inventive step under PCT Article 33(3) as being obvious over DeVito et al.

DeVito et al. show a SPECT type of tomographic imaging system. The system can move in relation to the patient (column 6, lines 29-40). The system can accept user inputted commands or data to control the system (column 13, lines 35-67). The system is described for use in a heart perfusion study. The patient is given either a physical or pharmacologic stress. During stress, a radiopharmaceutical is then administered, and the patient is imaged. After a period of rest, another dose is administered and the patient is imaged again. The images of the stress period and rest period are compared. Such a technique is common and well known in the art for a myocardial perfusion study (column 24, lines 9-50). DeVito et al. further discusses imaging the brain, breast, or limbs.

It would be obvious to one of ordinary skill in the art, at the time the invention was made, to have imaged other parts of the body. Techniques for imaging other parts of the body are well known in the art, and would be administered to a patient suffering a condition in any other part of the body which would require imaging to evaluate. In addition, the use of a variety of different radiopharmaceuticals could be used in such a system, so long as they allow for the patient to be imaged appropriately. Also, the specific length of times for which the patient should be rested, stressed, and imaged can be different for different patients, and a physician would be able to determine the appropriate length of time. The physician will also be able to determine the appropriate dosage to administer to the patient.

Claims 1-276, 283-289, 291, 293, 296-350, 352, 364-366, 368-370, 373-379, 383, 385-448 lack an inventive step under PCT Article 33(3) as being obvious over Ryals et al.

Ryals et al. show a method and apparatus for SPECT imaging. Ryals et al. describe SPECT systems which are moved around the area to be imaged, and notes that such systems are well known in the art. Ryals et al. also describe common cardiac perfusion studies, which involve examining the heart under a stress condition and a rest condition. The radionuclide introduced to the heart will follow the blood flow, and perfusion can be determined. Infarct and ischemic areas of the heart can be identified (column 1, line 40column 2, line 24; also column 8, line 56-column 9, line 15; column 16, line 61-column 17, line 20).

It would be obvious to one of ordinary skill in the art, at the time the invention was made, to have imaged other parts of the body. Techniques for imaging other parts of the body are well known in the art, and would be administered to a patient suffering a condition in

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

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Supplemental Box .

In case the space in any of the preceding boxes is not sufficient.

any other part of the body which would require imaging to evaluate. In addition, the use of a variety of different radiopharmaceuticals could be used in such a system, so long as they allow for the patient to be imaged appropriately. Also, the specific length of times for which the patient should be rested, stressed, and imaged can be different for different patients, and a physician would be able to determine the appropriate length of time. The physician will also be able to determine the appropriate dosage to administer to the patient.

Claims 1-276, 283-289, 291, 293, 296-350, 352, 364-366, 368-370, 373-379, 383, 385-448 lack an inventive step under PCT Article 33(3) as being obvious over Bishop et al.

Bishop et al. show a cardiovascular imaging and functional analysis system. The use of such a system for myocardial perfusion studies under stress is discussed ([0118]-[0120], [0125]).

It would be obvious to one of ordinary skill in the art, at the time the invention was made, to have imaged other parts of the body. Techniques for imaging other parts of the body are well known in the art, and would be administered to a patient suffering a condition in any other part of the body which would require imaging to evaluate. In addition, the use of a variety of different radiopharmaceuticals could be used in such a system, so long as they allow for the patient to be imaged appropriately. Also, the specific length of times for which the patient should be rested, stressed, and imaged can be different for different patients, and a physician would be able to determine the appropriate length of time. The physician will also be able to determine the appropriate dosage to administer to the patient.

Claims 1-276, 283-289, 291, 293, 296-350, 352, 364-366, 368-370, 373-379, 383, 385-448 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

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